

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1-63. (Cancelled)

64. (Previously Presented) The system of claim 78, further comprising a post-processing system in communication with said management center and components of the refrigeration system for gathering information performance.

65. (Previously Presented) The system of claim 64, wherein said post-processing system includes diagnostic software for analyzing said performance information.

66. (Currently Amended) A system for monitoring and managing a refrigeration system at a remote location, the system comprising:

a management center including an energy-analysis module, a maintenance module, and a data warehouse, said management center receiving information from the remote location regarding performance of the refrigeration system, said maintenance module and said energy-analysis module processing said information, and said data warehouse storing said information; and

a post-processing system in communication with said management center and components of the refrigeration system for gathering said information ~~performance~~,

wherein said post-processing system calculates a food-quality index based on said information.

67. (Currently Amended) A system for monitoring and managing a refrigeration system at a remote location, the system comprising:

a management center including an energy-analysis module, a maintenance module, and a data warehouse, said management center receiving information from the remote location regarding performance of the refrigeration system, said maintenance module and said energy-analysis module processing said information, and said data warehouse storing said information; and

a post-processing system in communication with said management center and components of the refrigeration system for gathering said information ~~performance~~, wherein said post-processing system calculates a food-safety index based on said information.

68. (Previously Presented) A system for monitoring and managing a refrigeration system at a remote location, the system comprising:

a management center including an energy-analysis module, a maintenance module, and a data warehouse, said management center receiving information from the remote location regarding performance of the refrigeration system, said maintenance module and said energy-analysis module processing said information, and said data warehouse storing said information, wherein said management center calculates a food-quality index based on said information.

69. (Previously Presented) A system for monitoring and managing a refrigeration system at a remote location, the system comprising:

a management center including an energy-analysis module, a maintenance module, and a data warehouse, said management center receiving information from the remote location regarding performance of the refrigeration system, said maintenance module and said energy-analysis module processing said information, and said data warehouse storing said information, wherein said management center calculates a food-safety index based on said information.

70. (Previously Presented) The system of claim 78, wherein said energy-analysis module and said maintenance module include diagnostic software for analyzing performance of said refrigeration system.

71. (Previously Presented) The system of claim 78, wherein said energy-analysis module evaluates said information to determine energy performance.

72. (Previously Presented) The system of claim 71, wherein said management center advises manipulation of operation of said refrigeration system of the remote location as a result of said evaluation.

73. (Previously Presented) The system of claim 78, further comprising a remote computer in communication with said management center and said refrigeration system.

74. (Previously Presented) The system of claim 78, wherein said maintenance module recommends maintenance procedures for the refrigeration system.
75. (Previously Presented) The system of claim 74, wherein said maintenance procedures include preventative maintenance.
76. (Previously Presented) The system of claim 74, wherein said maintenance procedures include routine maintenance.
77. (Previously Presented) The system of claim 78, wherein said management center includes an alarming function providing notification based on analysis of said information.
78. (Previously Presented) A system for monitoring and managing a refrigeration system at a remote location, the system comprising:
- a management center including an energy-analysis module, a maintenance module, a data warehouse and a system configuration tool, said management center receiving information from the remote location regarding performance of the refrigeration system, said maintenance module and said energy-analysis module processing said information, and said data warehouse storing said information.

79. (Previously Presented) The system of claim 78, wherein said system configuration tool provides initial configuration of a controller for the refrigeration system.

80. (Previously Presented) A system for monitoring and managing a refrigeration system at a remote location, the system comprising:

a management center including an energy-analysis module, a maintenance module, a data warehouse and a work order module, said management center receiving information from the remote location regarding performance of the refrigeration system, said maintenance module and said energy-analysis module processing said information, said data warehouse storing said information, and said work-order module managing a maintenance schedule for the refrigeration system.

81. (Previously Presented) The system of claim 80, wherein said work-order module tracks work orders for the refrigeration system.

82. (Previously Presented) A system for monitoring and managing a refrigeration system at a remote location, the system comprising:

a management center including an energy-analysis module, a maintenance module, a data warehouse and an asset management module, said management center receiving information from the remote location regarding performance of the refrigeration system, said maintenance module and said energy-analysis module

processing said information, said data warehouse storing said information, and said asset-management module tracking assets of the refrigeration system.

83. (Previously Presented) The system of claim 82, wherein said asset-management module stores an asset history.
84. (Previously Presented) A system for monitoring and managing a refrigeration system at a remote location, the system comprising:
- a management center including an energy-analysis module, a maintenance module, and a data warehouse, said management center receiving information from the remote location regarding performance of the refrigeration system, said maintenance module and said energy-analysis module processing said information, and said data warehouse storing said information, wherein said energy-analysis module includes a core calculator that receives information from an input block and provides outputs to an efficiency block and a design block.
85. (Previously Presented) The system of claim 84, wherein said input block provides one or more of: weather data, actual site data, and equipment operational parameters.
86. (Previously Presented) The system of claim 84, wherein said core calculator calculates projected energy use.

87. (Previously Presented) The system of claim 84, wherein said efficiency block includes a power-monitoring tool to provide an evaluation of equipment power usage.

88. (Previously Presented) The system of claim 87, wherein said evaluation includes comparing a predicted power usage to an actual power usage.

89. (Previously Presented) The system of claim 84, wherein said efficiency block includes an alarming tool for providing notification when equipment efficiencies fall below a limit value.